## REMARKS

This is in response to the Office Action dated August 26, 2008. In view of the foregoing amendments and following representations, reconsideration is respectfully requested.

By the above amendments, claims 12-22 are cancelled and replaced with new claims 23-33. The new claims are supported at least by the originally filed claims. For example, new independent claim 23 includes the limitations of claims 12, 13, 15, 17 and 20. Accordingly, claims 23-33 are currently pending in the present application.

Initially, filed concurrently herewith, is an "Information Disclosure Statement". The Examiner is requested to kindly acknowledge the filing of the IDS.

Next, the specification and abstract have been reviewed and revised in order to make a number of minor clarifying and other editorial amendments. To facilitate entry of the changes, a substitute specification and abstract has been prepared. No new matter has been added. Also enclosed is a "marked-up" copy of the original specification and abstract to show the changes that have been incorporated into the substitute specification and abstract. The enclosed copy is entitled "Version with Markings to Show Changes Made."

Next, on pages 2-4 of the Office Action, claims 12-22 are rejected over the prior art. Due to the cancellation of claims 12-22 and the presentation of the new claims, it appears that the most relevant rejection is that of claim 15. In particular, claim 15 is rejected under 35 U.S.C. 103(a) as being unpatentable over Moreno (U.S. Patent No. 4,122,934) in view of Nordtvedt (US 4,595,074). It is submitted that the present invention, as embodied by the new claims, now clearly distinguishes over the prior art of record for the following reasons.

The present invention, as defined in new independent claim 23, requires, *inter alia*, a container adapted to be supported on an upper level of the building, the container including a plateau that can be extended from the building; and a tube housed in a folded position in the container when in a non-functional position, wherein the tube can be moved from the non-functional position to a functional position to form a rescue channel leading from the upper level of the building to ground level; and the tube has a number of transversal rings spaced from each other in a longitudinal direction of the tube, and each of the transversal rings is provided with at least one opening for permitting passage of the tensioning rope. Each transversal ring is provided with an annular air cushion which is inflatable in the manner of an airbag when the tube is moved to the functional position, and the air cushions function to provide for safe conveyance of people through the rescue channel to the ground level by braking transfer of the people through the rescue channel.

As will be demonstrated below, none of the applied prior art references discloses an evacuation device including annular air cushions that are folded together in the non-functional position and are inflatable, when the tube is deployed in the functional position.

Moreno (U.S. Patent No. 4,122,934) discloses an apparatus including a tubular arrangement 3 (see Fig. 1) having at least one extensible chamber 6 filled with gas under pressure. The extensible chamber is associated with an automatic inflating device for regulating the pressure in the chamber(s) 6. However, Moreno lacks several features of new independent claim 23 such as a container including a plateau that can be extended from the building, a tube that is housed in a folded position in the container when in a non-functional position, and a tensioning rope for determining the arrangement of the tube in the functional position. Furthermore, the tubular structure of Moreno

does not include the claimed transversal rings which each include an opening permitting passage of the tensioning rope and an annular air cushion.

Facey (GB 2 124 168) discloses a fire escape including telescopic body sections 3, 4 which are relatively slidable between an inoperative position (Fig. 1) and an operative position (Figs. 2-4). In the operative position, a tubular escape chute 10 is deployed through aperature 9 to ground level. The chute 10 includes webs 12 for limiting the speed of descent of persons sliding down the chute. A rope 15 is attached to section 3 and can be lowered through the aperture 9 and down inside the chute. However, the Facey fire escape lacks a plurality of longitudinally-spaced transversal rings each having an opening for permitting passage of a tensioning rope and an annular air cushion that is inflatable in the manner of an airbag when the tube is moved to the functional position.

Goble (U.S. Patent No. 192,500) discloses a fire escape including a tube contained in a receptacle. Although the tube is stored in collapsed state in the receptacle (Fig. 2), it is deployed in an angled position in the functional position (Fig. 1). Clearly, Goble lacks at least the transversal rings, the plateau, and the annular air cushions of claim 23.

The Examiner takes the position that **Horsky** (U.S. Patent No. 3,464,529) teaches air cushions that could be employed in the Moreno tubular arrangement 3 to reduce the speed of the decent of a user. Horsky, however, discloses a fruit handling device provided with a decelerating member 14 having decelerating elements 46 comprising a plurality of pneumatically "inflated" bladders 51. An air valve 107 controls the chamber pressure and the degree of constriction provided by boundary walls 104. It is not clear how such an arrangement would be employed in

the Goble fire escape; however, the resulting structure would lack the transversal rings, the plateau, and the annual air cushions of claim 23.

Nir (U.S. 2005/0161286) discloses a rescue system including a helical sleeve 24 which is stored in a collapsed position in storage compartment 12. However, Nir lacks the claimed plateau, the transversal rings and the annular air cushions required in claim 23.

Marcus (U.S. Patent No. 386,253) discloses a fire escape including a chute A that is contained in a box J located near a window. Clearly, Marcus lacks at least the plateau, the transversal rings, and the annular air cushions required in claim 23.

**Nordtvedt** (U.S. Patent No. 4,595,074) discloses an escape device including a stocking or chute 10, annular reinforcing elements 11 that are spaced apart along the length of the stocking. The reinforcing elements 11 are connected to each other by lines 12, 13 which pass through fastening rings 14 on the individual reinforcing elements 11. Thus, Nordtvedt clearly lacks at least the container, the plateau, and the annual air cushions of claim 23.

In view of the presentation of new independent claim 23, and the above discussion, it is submitted that claim 23 is clearly allowable over the prior art of record. Further, claims 24-32 depend, directly or indirectly, from claim 23 and are therefore allowable at least by virtue of their dependencies.

In view of the above, it is submitted that the present application is now clearly in condition for allowance. The Examiner therefore is requested to pass this case to issue.

In the event that the Examiner has any comments or suggestions of a nature necessary to place this case in condition for allowance, then the Examiner is requested to contact Applicant's undersigned attorney by telephone to promptly resolve any remaining matters.

Respectfully submitted,

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Version with Markings to Show Changes Made

BACKGROUND OF THE INVENTION	
The <u>present</u> invention concerns a device for evacuating	ng people from a
building according to the generic term of claim 1.	
A device of this type is known for example from DE-A-	41 08 979, which
discloses an inflatable, slanting rescue chute, in which a	closed ring of
longitudinally-extending tubes can be brought from a non-func	tional position by
inflating the tubes into a functional position in which it forms	a rescue channel
leading from an upper storey of the building to ground level. The	his rescue chute is
unsuitable for evacuation from high buildings, since there is	usually too little
space for the rescue chute in view of the angle of inclination	necessary for the
safe conveyance of people. Also, problems of flexural stre	ength of the tube
increase with the length of the slide.	

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This problem is solved according to the invention by a device with the characteristics of claim 1.

Other preferred embodiments of the device according to the invention form the subject matter of the dependent claims.

## SUMMARY OF THE INVENTION

Because the part forming the rescue channel is in the form of a tube which is folded together in the non-functional position, which when unfolded into the functional position is disposed essentially vertically or at a slight angle to the building wall, wherebywall. —bBraking means are provided for the safe conveyance of people through the rescue channel to ground level,level. The the device of the invention can be used for rapid evacuation, even from very high buildings. In an especially preferred embodiment of the braking means in the form of an annular air cushion which is inflatable in the manner of an airbag on the inside of the tube, people can be conveyed—one after another—, on after another, through the rescue channel which runs essentially vertically, thereby sliding through the individual air cushions, without there being any freefall.

## BRIEF DESCRIPTION OF THE DRAWINGS

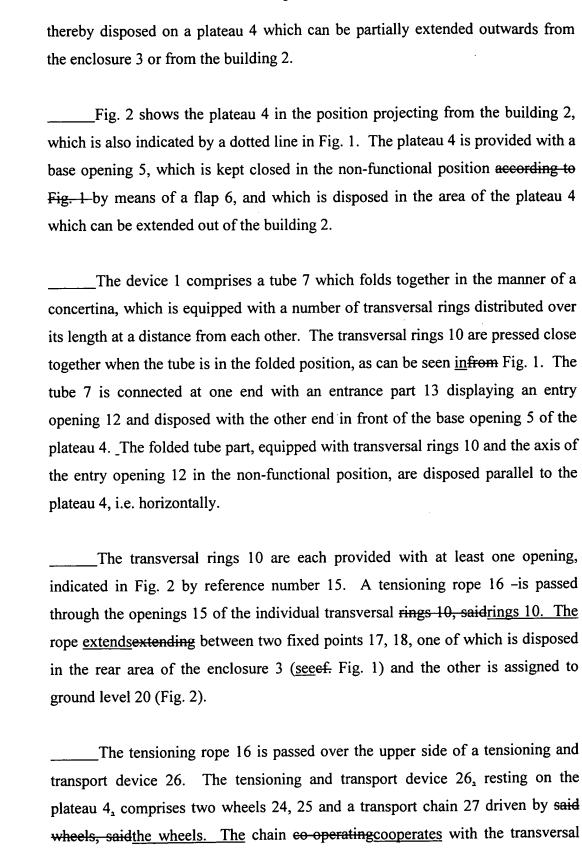
The invention is next explained in more detail with the aid of the accompanying drawings, in which show:

\_\_\_\_\_Fig. 1\_shows—an embodiment of a device according to the invention in a non-functional position; and

Fig. 2 is a partial sectional view of the device in a functional position-in partial sectional representation.

## DETAILED DESCRIPTION OF THE INVENTION

Figures 1 and 2 show a device 1 for the evacuation of people from a building 2, which is housed, in a non-functional position (see Fig. 1)shown in Fig. 4 in an enclosure 3, which is in an upper storey of the building 2. The device 1 is



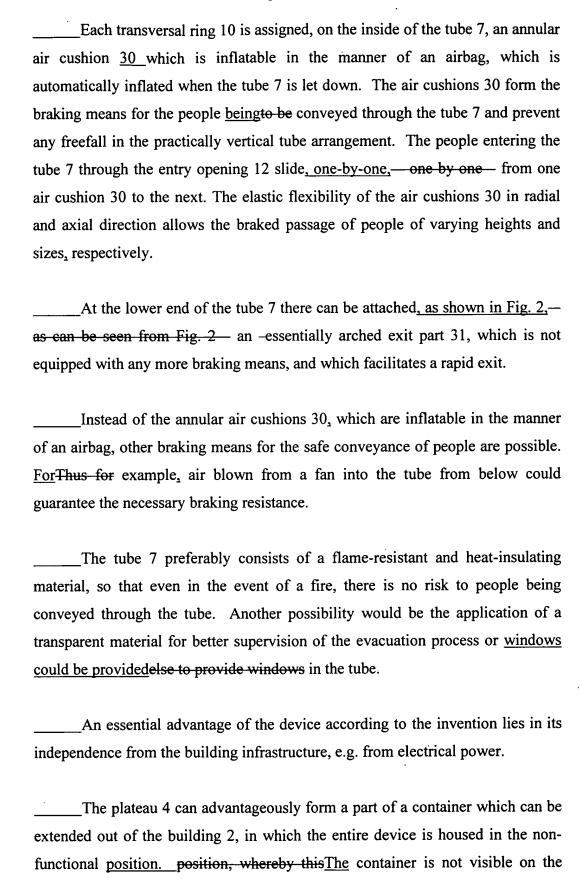
rings 10 of the tube 7. In the non-functional position of the device 1 shown in

Fig. 1, the tensioning rope 16 is not under tension and is advantageously passed within a groove 21 along the building wall 22. When the plateau is extended, the this tensioning rope 16, which is fixed to the fixed points 17, 18, is torn out of the groove 21 and brought into an extended position approximately parallel to the building wall 22.

In order to evacuate people from a building 2 in an emergency, the plateau 4 provided in the enclosure 3, together with the tensioning and transport device 26 disposed thereon, is extended outwards into the position shown in Fig. 2,Fig. 2.

The whereby the building wall 22 at this point is formed by a wall element 23 or similar disposed on the plateau, andwhereby this wall element 23 effects an opening in the building wall when the extension of the plateau occurs. When extension occurs, moreover, the tensioning rope 16 is ripped out of the groove 21 on the building front and is tensioned between the reference points 17, 18 by the roller 24 which moves with the plateau 4.

\_\_\_\_\_As soon as the plateau 4 has been extended and has reached its end position, the flap 6 is also automatically pivoted down and the base opening 5 in the plateau 4 is opened, and the tube 7 falls—under the influence of gravity—, under the influence of gravity, downwards through thethis base opening 5 and unfolds itself automatically. Thereby the transversal rings 10 slide along the tensioning rope 16. Alternatively, two—(or the tensioning ropes 16 can be provided, and; preferably each transversal ring 10 is provided with two opposing openings 15 for receiving and thethere are two tensioning ropes 16 provided). The tube 7 is held fast at the upper end by the entrance part 13 resting on the plateau 4, which has been brought into this position, in which the entry opening 12 is disposed co-axially with the base opening 5, with the aid of the tensioning and transport device 26. Thus, the tube 7 which has been let down forms a rescue channel 29 leading down from the upper floor to ground level 20.



building 2 from the outside. Several such devices per storey and devices in several stories could be provided.